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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : 2874
Examiner: Ullah, Akm E.

In re PATENT APPLICATION of

Applicants : Shin ISHIBASHI et al.
Appln. No.: 10/766,488
Confirmation No: 1533
Filed : January 29, 2004
For : FIBER OPTIC MODULE
Atty. Dkt. : 31238-200393
Customer Number: 26694

Mail Stop Reissue
Commissioner for Patents
PO Box 1450
Arlington, VA 22313-1450

THIRD INFORMATION DISCLOSURE STATEMENT

Sir:

This is a Third Information Disclosure Statement submitted within the time limit specified under 37 C.F.R. § 1.97(b).

In order to comply with applicant's duty of disclosure under 37 C.F.R. § 1.56, the U.S. Patent and Trademark Office is notified of the documents which are listed on the attached Form PTO/SB/08A. The Examiner may deem these documents relevant to the patentability of the claims of the above-identified application. Pursuant to M.P.E.P. § 609(III)(A)(2), one copy of each of the listed foreign patent documents is submitted herewith. A copy of the each of the non-patent documents is also submitted herewith.

Commercially available English abstracts are provided for the following non-English patent documents, with the designation "x" in the final column of the attached Form 1449.

EP 0 232 792

EP 0 656 696

EP 0 662 259

JP A-2-151084

JP A-2-181710
JP A-2-278212
JP A-2-87837
JP A-3-20458
JP A-3-94869
JP A-4-109593
JP A-4-122905
JP A-4-165312
JP A-4-221207
JP A-4-50901
JP A-4-87809
JP A-5-052802
JP A-5-134147
JP A-5-152607
JP A-5-188250
JP A-5-211379
JP A-5-218581
JP A-5-290913
JP A-5-70955
JP A-61-158046
JP A-63-009325
JP A-63-16496
JP A-63-65967
JP A-63-65978

For the following Japanese patent documents, English abstracts are not commercially available. Hence, full English translations for the following documents are provided, with the designation "y" in the final column of the attached Form 1449.

JP A-61-188385
JP A-63-82998

JP U-3-20458
JP U-3-94869
JP U-4-87809
JP U-5-052802
JP U-5-70955
JP U-61-158046
JP U-61-188385
JP U-63-16496
JP U-63-65967
JP U-63-65978
JP U-63-82998

If the Examiner would like full English translations of any documents submitted herewith, or any documents cited during the prosecution of the application, Applicant will provide such documents at the Examiner's request.

Additionally, please note the following foreign patent documents and their corresponding U.S. patents:

<u>Foreign Patent</u>	<u>Cite No.</u>	<u>U.S. Patent</u>	<u>Cite No.</u>
EP 0232792A1	X3	5,233,674	P9
EP 0437141A1	X9	5,167,139	O11
JP 4-211208A	Y10	5,127,071	N18
JP 4-229962A	Y12	5,116,239	N10
JP 4-230978A	Y13	5,104,243	N5
JP 4-234715A	Y14	5,113,467	N9
JP 4-270305A	Y15	5,117,476	N11

The present Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits, and therefore no Statement Under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In accordance with 37 C.F.R. §1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. § 1.56(a) exists. In accordance with 37 C.F.R. § 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any

Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

The Examiner is further notified of Applicants' related copending reissue application no. 09/571,334, filed May 15, 2000.

In view of the above, no further translation or statement of relevance is required. Additionally, since all requirements of 37 C.F.R. § 1.97 and all official guidelines pertaining to Information Disclosure Statements have been met, it is respectfully requested that the documents be considered by the Examiner and made of record.

Please charge any necessary fee, or credit any overpayment in connection with this Information Disclosure Statement to Deposit Account No. 22-0261.

Respectfully submitted,

Date: August 4, 2005



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Substitute for form 1449A/PTO				Complete If Known	
				Application Number	10/766,488
				Filing Date	January 29, 2004
				First Named Inventor	Shin ISHIBASHI
				Group Art Unit	2874
				Examiner Name	Ullah, Akm E.
Sheet	1	of	31	Attorney Docket Number	31238-200393

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
A1	Re. 32502			Kumar	09-15-1987	
A2	2,899,669			Johanson	08-11-1959	
A3	3,264,601			Hartholz	08-02-1966	
A4	3,332,860			Diebold et al.	07-25-1967	
A5	3,474,380			Miller	10-21-1969	
A6	3,497,866			Patton, Jr.	02-24-1970	
A7	3,523,269			Witek, Jr. et al.	08-04-1970	
A8	3,670,290			Angele et al.	06-13-1972	
A9	3,673,545			Rundle	06-27-1972	
A10	3,706,869			Sorenson	12-19-1972	
A11	3,737,729			Carney	06-05-1973	
A12	3,790,923			Mathe	02-05-1974	
A13	3,792,284			Kaelin	02-12-1974	
A14	3,805,116			Nehmann	04-16-1974	
A15	3,809,908			Clanton	05-07-1974	
A16	3,976,877			Thillays	08-24-1976	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

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¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete If Known	
				Application Number	10/766,488
				Filing Date	January 29, 2004
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				Group Art Unit	2874
				Examiner Name	Ullah, Akm E.
Sheet	2	of	31	Attorney Docket Number	31238-200393

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
	B1	3,990,761		Jayne	11-09-1976
	B2	4,047,242		Jakob et al.	09-06-1977
	B3	4,156,903		Barton et al.	05-29-1979
	B4	4,161,650		Caouette et al.	07-17-1979
	B5	4,167,303		Bowen et al.	09-11-1979
	B6	4,176,897		Cameron	12-04-1979
	B7	4,217,019		Cameron	08-12-1980
	B8	4,217,488		Hubbard	08-12-1980
	B9	4,226,491		Kazama et al.	10-07-1980
	B10	4,234,968		Singh	11-18-1980
	B11	4,249,266		Nakamori	02-03-1981
	B12	4,252,402		Puech et al.	02-24-1981
	B13	4,257,124		Porter et al.	03-17-1981
	B14	4,268,756		Crouse et al.	05-19-1981
	B15	4,273,413		Bendiksen et al.	06-16-1981
	B16	4,276,656		Petryk, Jr.	06-30-1981

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Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office ³	Number ⁴			

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/766,488
Sheet	3	of	31	Filing Date	January 29, 2004
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				Group Art Unit	2874
				Examiner Name	Ullah, Akm E.
				Attorney Docket Number	31238-200393

U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
C1	4,294,682			Deczky	10-13-1981	
C2	4,295,181			Chang et al.	10-13-1981	
C3	4,301,543			Palmer	11-17-1981	
C4	4,330,870			Arends	05-18-1982	
C5	4,345,808			Ingham	08-24-1982	
C6	4,347,655			Zory et al.	09-07-1982	
C7	4,357,606			Fortescue	11-02-1982	
C8	4,360,248			Bickel et al.	11-23-1982	
C9	4,366,565			Herskowitz	12-28-1982	
C10	4,369,494			Bienvenu et al.	01-18-1983	
C11	4,380,360			Parmer et al.	04-19-1983	
C12	4,388,671			Hall et al.	06-14-1983	
C13	4,393,516			Itani	07-12-1983	
C14	4,398,073			Botz et al.	08-09-1983	
C15	4,398,780			Novotny et al.	08-16-1983	
C16	4,399,563			Greenberg	08-16-1983	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/766,488
				Filing Date	January 29, 2004
				First Named Inventor	Shin ISHIBASHI
				Group Art Unit	2874
				Examiner Name	Ullah, Akm E.
Sheet	4	of	31	Attorney Docket Number	31238-200393

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
D1	4,408,273			Plow	10-04-1983
D2	4,422,088			Gfeller	12-20-1983
D3	4,427,879			Becher et al.	01-24-1984
D4	4,430,699			Segarra et al.	02-07-1984
D5	4,434,537			Bean et al.	03-06-1984
D6	4,437,190			Rozenwaig et al.	03-13-1984
D7	4,439,006			Stevenson	03-27-1984
D8	4,446,515			Sauer et al.	05-01-1984
D9	4,449,244			Kopainsky	05-15-1984
D10	4,449,784			Basov et al.	05-22-1984
D11	4,453,903			Pukaite	06-12-1984
D12	4,459,658			Gabbe et al.	07-10-1984
D13	4,461,537			Raymer, II et al.	07-24-1984
D14	4,470,154			Yano	09-04-1984
D15	4,486,059			Deyoung	12-04-1984
D16	4,493,113			Forrest et al.	01-08-1985

FOREIGN PATENT DOCUMENTS						
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/766,488
Sheet	5	of	31	Filing Date	January 29, 2004
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				Group Art Unit	2874
				Examiner Name	Ullah, Akram E.
				Attorney Docket Number	31238-200393

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		Number	Kind Code ² (if known)		
E1	4,501,021			Weiss	02-19-1985
E2	4,502,130			Kuckuk	02-26-1985
E3	4,505,035			Burton et al.	03-19-1985
E4	4,506,937			Cosmos et al.	03-26-1985
E5	4,510,553			Fauldersack	04-09-1985
E6	4,511,207			Newton et al.	04-16-1985
E7	4,514,586			Waggoner	04-30-1985
E8	4,516,204			Sauer et al.	05-07-1985
E9	4,519,670			Spinner et al.	05-28-1985
E10	4,519,672			Rogstadius	05-28-1985
E11	4,519,673			Hamilton	05-28-1985
E12	4,522,463			Schwenda et al.	06-11-1985
E13	4,526,438			Essert	07-02-1985
E14	4,526,986			Fields et al.	07-02-1985
E15	4,527,286			Haworth	07-02-1985
E16	4,529,266			Delebecque	07-16-1985

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Sheet	6	of	31	Attorney Docket Number	31238-200393

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		Number	Kind Code ² (if known)			
F1	4,530,566			Smith et al.	07-23-1985	
F2	4,531,810			Carlsen	07-30-1985	
F3	4,533,208			Stowe	08-06-1985	
F4	4,533,209			Segerson et al.	08-06-1985	
F5	4,534,616			Bowen et al.	08-13-1985	
F6	4,534,617			Kloots et al.	08-13-1985	
F7	4,535,233			Abraham	08-13-1985	
F8	4,537,468			Degoix et al.	08-27-1985	
F9	4,539,476			Donuma et al.	09-03-1985	
F10	4,540,237			Winzer	09-10-1985	
F11	4,540,246			Fantone	09-10-1985	
F12	4,541,036			Landries et al.	09-10-1985	
F13	4,541,685			Anderson	09-17-1985	
F14	4,542,076			Bednarz et al.	09-17-1985	
F15	4,544,231			Peterson	10-01-1985	
F16	4,544,233			Iwamoto et al.	10-01-1985	

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		Number	Kind Code ² (if known)		
G1	4,544,234			DeVeau, Jr. et al.	10-01-1985
G2	4,545,074			Balliet et al.	10-01-1985
G3	4,545,077			Drapala et al.	10-01-1985
G4	4,545,642			Auracher et al.	10-08-1985
G5	4,545,643			Young et al.	10-08-1985
G6	4,545,644			DeVeau, Jr. et al.	10-08-1985
G7	4,545,645			Mignien	10-08-1985
G8	4,548,465			White	10-22-1985
G9	4,548,466			Evans et al.	10-22-1985
G10	4,548,467			Stoerk et al.	10-22-1985
G11	4,549,782			Miller	10-29-1985
G12	4,549,783			Schmachtenberg, III	10-29-1985
G13	4,550,975			Levinson et al.	11-05-1985
G14	4,553,811			Becker et al.	11-19-1985
G15	4,553,813			McNaughton et al.	11-19-1985
G16	4,553,814			Bahl et al.	11-19-1985

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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Office ³	Number ⁴	Kind Code ⁵ (if known)		

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/766,488
(use as many sheets as necessary)				Filing Date	January 29, 2004
Sheet	8	of	31	First Named Inventor	Shin ISHIBASHI
				Group Art Unit	2874
				Examiner Name	Ullah, Akm E.
				Attorney Docket Number	31238-200393

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
H1	4,556,279			Shaw et al.	12-03-1985
H2	4,556,281			Anderton	12-03-1985
H3	4,556,282			Delebecque	12-03-1985
H4	4,557,551			Dyott	12-10-1985
H5	4,560,234			Shaw et al.	12-24-1985
H6	4,563,057			Ludman et al.	01-07-1986
H7	4,566,753			Mannschke	01-28-1986
H8	4,568,145			Colin et al.	02-04-1986
H9	4,569,569			Stewart	02-11-1986
H10	4,573,760			Fan et al.	03-04-1986
H11	4,580,295			Richman	04-01-1986
H12	4,580,872			Bhatt et al.	04-08-1986
H13	4,588,256			Onstott et al.	05-13-1986
H14	4,589,728			Dyott et al.	05-20-1986
H15	4,597,631			Flores	07-01-1986
H16	4,614,836			Carpenter et al.	09-30-1986

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/766,488
				Filing Date	January 29, 2004
				First Named Inventor	Shin ISHIBASHI
				Group Art Unit	2874
				Examiner Name	Ullah, Akm E.
Sheet	9	of	31	Attorney Docket Number	31238-200393

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		Number	Kind Code ² (if known)		
I1	4,629,270			Andrews, Jr. et al.	12-16-1986
I2	4,634,239			Buhrer	01-06-1987
I3	4,641,371			Shutterly	02-03-1987
I4	4,647,148			Katagiri	03-03-1987
I5	4,652,976			Fushimoto	03-24-1987
I6	4,663,240			Hajdu et al.	05-05-1987
I7	4,663,603			van Riemsdijk et al.	05-05-1987
I8	4,678,264			Bowen et al.	07-07-1987
I9	4,679,883			Assini et al.	07-14-1987
I10	4,695,106			Feldman et al.	09-22-1987
I11	4,697,864			Hayes et al.	10-06-1987
I12	4,708,433			Kakii et al.	11-24-1987
I13	4,715,675			Kevern et al.	12-29-1987
I14	4,720,630			Takeuchi et al.	01-19-1988
I15	4,722,584			Kakii et al.	02-02-1988
I16	4,736,100			Vastagh	04-05-1988

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				Application Number	10/766,488
				Filing Date	January 29, 2004
				First Named Inventor	Shin ISHIBASHI
				Group Art Unit	2874
				Examiner Name	Ullah, Akm E.
Sheet	10	of	31	Attorney Docket Number	31238-200393

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		Number	Kind Code ² (if known)		
	J1	4,756,593		Koakutsu et al.	07-12-1988
	J2	4,762,388		Tanaka et al.	08-09-1988
	J3	4,767,179		Sampson et al.	08-30-1988
	J4	4,772,931		Rogers	09-20-1988
	J5	4,779,952		Hayashi et al.	10-25-1988
	J6	4,789,218		Paul et al.	12-06-1988
	J7	4,798,430		Johnson et al.	01-17-1989
	J8	4,798,440		Hoffer et al.	01-17-1989
	J9	4,807,006		Rogers et al.	02-21-1989
	J10	4,807,955		Ashman et al.	02-28-1989
	J11	4,808,115		Norton et al.	02-28-1989
	J12	4,811,165		Currier et al.	03-07-1989
	J13	4,812,133		Fleak et al.	03-14-1989
	J14	4,821,145		Corfits et al.	04-11-1989
	J15	4,823,235		Suzuki et al.	04-18-1989
	J16	4,838,630		Jannson et al.	06-13-1989

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/766,488
Sheet	11	of	31	Filing Date	January 29, 2004
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				Group Art Unit	2874
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				Attorney Docket Number	31238-200393

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		Number	Kind Code ² (if known)			
K1	4,840,451			Sampson et al.	06-20-1989	
K2	4,844,581			Turner	07-04-1989	
K3	4,847,711			Inoue	07-11-1989	
K4	4,847,771			Scarnera	07-11-1989	
K5	4,849,944			Matsushita	07-18-1989	
K6	4,857,002			Jensen et al.	08-15-1989	
K7	4,862,327			Ansell et al.	08-29-1989	
K8	4,872,212			Roos et al.	10-03-1989	
K9	4,872,736			Myers et al.	10-10-1989	
K10	4,881,789			Levinson	11-21-1989	
K11	4,884,336			Waters et al.	12-05-1989	
K12	4,897,711			Blonder et al.	01-30-1990	
K13	4,906,197			Noll	03-06-1990	
K14	4,927,225			Levinson	05-22-1990	
K15	4,944,568			Danbach et al.	07-31-1990	
K16	4,945,448			Bremenour et al.	07-31-1990	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/766,488
				Filing Date	January 29, 2004
				First Named Inventor	Shin ISHIBASHI
				Group Art Unit	2874
				Examiner Name	Ullah, Akm E.
Sheet	12	of	31	Attorney Docket Number	31238-200393

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
	L1	4,953,929		Basista et al.	09-04-1990
	L2	4,955,817		Sugai	09-11-1990
	L3	4,963,104		Dickie	10-16-1990
	L4	4,967,312		Ozawa et al.	10-30-1990
	L5	4,977,329		Eckhardt et al.	12-11-1990
	L6	4,979,793		Bowen et al.	12-25-1990
	L7	4,979,794		Evans	12-25-1990
	L8	4,986,625		Yamada et al.	01-22-1991
	L9	4,989,934		Zavracky et al.	02-05-1991
	L10	4,990,104		Schieferly	02-05-1991
	L11	4,991,062		Nguyenngoc	02-05-1991
	L12	5,002,495		Tanaka	03-26-1991
	L13	5,004,434		Aiello et al.	04-02-1991
	L14	5,006,286		Dery et al.	04-09-1991
	L15	5,011,425		Van Zanten et al.	04-30-1991
	L16	5,029,254		Stickney	07-02-1991

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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/766,488
Sheet	13	of	31	Filing Date	January 29, 2004
				First Named Inventor	Shin ISHIBASHI
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				Examiner Name	Ullah, Akm E.
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		Number	Kind Code ² (if known)		
M1	5,035,482			ten Berge et al.	07-30-1991
M2	5,035,641			Van-Santbrink et al.	07-30-1991
M3	5,040,993			Krug et al.	08-20-1991
M4	5,041,025			Haitmanek	08-20-1991
M5	5,043,775			Lee	08-27-1991
M6	5,044,982			Bertini	09-03-1991
M7	5,045,635			Kaplo et al.	09-03-1991
M8	5,045,971			Ono et al.	09-03-1991
M9	5,046,955			Olsson	09-10-1991
M10	5,060,373			Machura et al.	10-29-1991
M11	5,071,219			Yurtin et al.	12-10-1991
M12	5,076,656			Briggs et al.	12-31-1991
M13	5,076,688			Bowen et al.	12-31-1991
M14	5,082,344			Mulholland et al.	01-21-1992
M15	5,084,802			Nguyennngoc	01-28-1992
M16	5,086,422			Hagiya et al.	02-04-1992

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Sheet	14	of	31	Attorney Docket Number
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		Number	Kind Code ² (if known)		
	N1	5,091,991		Briggs et al.	02-25-1992
	N2	5,093,879		Bregman et al.	03-03-1992
	N3	5,094,623		Scharf et al.	03-10-1992
	N4	5,101,463		Cubukciyan et al.	03-31-1992
	N5	5,104,243		Harding	04-14-1992
	N6	5,107,404		Tam	04-21-1992
	N7	5,108,294		Marsh et al.	04-28-1992
	N8	5,109,453		Edwards et al.	04-28-1992
	N9	5,113,467		Peterson et al.	05-12-1992
	N10	5,116,239		Siwinski	05-26-1992
	N11	5,117,476		Yinsgt et al.	5,117,476
	N12	5,118,362		St. Angelo et al.	06-02-1992
	N13	5,118,904		Nguyenngoc	06-02-1992
	N14	5,120,578		Chen et al.	06-09-1992
	N15	5,122,893		Tolbert	06-16-1992
	N16	5,124,885		Liu	06-23-1992
	N17	5,125,849		Briggs et al.	06-30-1992
	N18	5,127,071		Go	06-30-1992
	N19	5,132,871		Densham et al.	07-21-1992

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Sheet

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Application Number	10/766,488
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O1	5,134,677			Leung et al.	07-28-1992	
O2	5,134,679			Robin et al.	07-28-1992	
O3	5,136,063			O'Lenick, Jr.	08-04-1992	
O4	5,136,152			Lee	08-04-1992	
O5	5,136,603			Hasnain et al.	08-04-1992	
O6	5,138,537			Wang	08-11-1992	
O7	5,138,678			Briggs et al.	08-11-1992	
O8	5,140,663			Edwards et al.	08-18-1992	
O9	5,155,786			Ecker et al.	10-13-1992	
O10	5,157,769			Eppley et al.	10-20-1992	
O11	5,167,139			Lafargue et al.	12-01-1992	
O12	5,168,537			Rajasekharan et al.	12-01-1992	
O13	5,170,146			Gardner et al.	12-08-1992	
O14	5,171,167			Kosmala	12-15-1992	
O15	5,173,059			Sato et al.	12-22-1992	
O16	5,183,404			Aldous et al.	02-02-1993	
O17	5,183,405			Elicker et al.	02-02-1993	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Application Number	10/766,488
(use as many sheets as necessary)			Filing Date	January 29, 2004
			First Named Inventor	Shin ISHIBASHI
			Group Art Unit	2874
			Examiner Name	Ullah, Akm E.
Sheet	16	of	31	Attorney Docket Number
31238-200393				

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
P1	5,195,911			Murphy	03-23-1993	
P2	5,202,536			Buonanno	04-13-1993	
P3	5,207,597			Kline et al.	05-04-1993	
P4	5,212,752			Stephenson et al.	05-18-1993	
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P7	5,225,760			Leiserson	06-06-1993	
P8	5,233,676			Yonemura et al.	08-03-1993	
P9	5,233,674			Vladic	08-03-1993	
P10	5,234,353			Scholz et al.	08-10-1993	
P11	5,238,426			Arnett	08-24-1993	
P12	5,241,614			Ecker et al.	08-31-1993	
P13	5,247,532			Levinson	09-21-1993	
P14	5,259,052			Briggs et al.	11-02-1993	
P15	5,259,054			Benzoni et al.	11-02-1993	
P16	5,262,923			Batta et al.	11-16-1993	
P17	5,271,079			Levinson	12-14-1993	

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Group Art Unit	2874
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		Number	Kind Code ² (if known)			
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	Q2	5,285,466		Tabatabaie	02-08-1994	
	Q3	5,285,511		Akkapeddi et al.	02-08-1994	
	Q4	5,285,512		Duncan et al.	02-08-1994	
	Q5	5,286,207		McHugh	02-15-1994	
	Q6	5,286,247		Weder et al.	02-15-1994	
	Q7	5,288,247		Kaufman	02-22-1994	
	Q8	5,289,347		McCarthy et al.	02-22-1994	
	Q9	5,296,813		Holmes et al.	03-22-1994	
	Q10	5,299,089		Lwee	03-29-1994	
	Q11	5,304,069		Brunker et al.	04-19-1994	
	Q12	5,305,182		Chen	04-19-1994	
	Q13	5,311,408		Ferchau et al.	05-10-1994	
	Q14	5,315,679		Baldwin et al.	05-24-1994	
	Q15	5,317,663		Beard et al.	05-31-1994	
	Q16	5,321,819		Szczepanek	06-14-1994	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				

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		Number	Kind Code ² (if known)			
S1	5,375,040			Cooper et al.	12-20-1994	
S2	5,383,793			Hsu et al.	01-24-1995	
S3	5,388,995			Rudy, Jr. et al.	02-14-1995	
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S15	5,424,573			Kato et al.	06-13-1995	
S16	5,428,703			Lee	06-27-1995	

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Application Number	10/766,488
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First Named Inventor	Shin ISHIBASHI
Group Art Unit	2874
Examiner Name	Ullah, Akm E.

Attorney Docket Number 31238-200393

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T2	5,434,747			Shibata	07-18-1995	
T3	5,443,390			Kokkosoulis et al.	08-22-1995	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT					
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U.S. PATENT DOCUMENTS					
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W2	5,631,998			Han	05-20-1997
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W14	5,779,504			Dominik et al.	07-14-1998
W15	5,797,771			Garside	08-25-1998
W16	5,836,774			Tan et al.	11-17-1998

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		Number	Kind Code ² (if known)		
	X1	5,864,468		Poplawski et al.	01-26-1999
	X2	5,879,173		Poplawski et al.	03-09-1999

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Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office	Number ⁴			
	X3	DE	(USP, 233,674) 42 39 124	A1	05-27-1993	
	X4	EP	0 232 792	A1	08-18-1987	X
	X5	EP	0 228 278	A2	07-08-1987	
	X6	EP	0 305 112	A2, A3	03-01-1989	
	X7	EP	0 314 651	A2, A3	05-03-1989	
	X8	EP	0 413 489	A2, A3	02-20-1991	
	X9	EP	(USP 5,167,139) 0 437 141	A1	07-17-1991	
	X10	EP	0 456 298	B1	10-02-1996	
	X11	EP	0 530 791	A2	03-10-1993	
	X12	EP	0 535 473	A1	04-07-1993	
	X13	EP	0 588 014	A2, A3	03-23-1994	
	X14	EP	0 600 645	A1	06-08-1994	
	X15	EP	0 613 032	A2, A3	08-31-1994	
	X16	EP	0 652 696	A1	05-10-1995	
	X17	EP	0 656 696	A2	06-07-1995	X
	X18	EP	0 662 259	B1	03-31-1994	X
	X19	EP	0 442 608	A2	08-21-1991	
	X20	WO	94/12900		06-09-1994	
	X21	JP	A-1-237783		09-22-1989	X

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 25 of 31

Complete if Known

Application Number	10/766,488
Filing Date	January 29, 2004
First Named Inventor	Shin ISHIBASHI
Group Art Unit	2874
Examiner Name	Ullah, Akm E.
Attorney Docket Number	3238-200393

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
		Offic e ³	Number ⁴	Kind Code ⁵ (if known)				
Y1	JP	A-2-151084				06-11-1990		X
Y2	JP	A-2-181710				07-16-1990		X
Y3	JP	A-2-278212				11-14-1990		X
Y4	JP	A-2-87837				03-28-1999		X
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Y15	JP	(USP 5,117,476) A-4-270305				09-25-1992		
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Y18	JP	A-5-052802				03-02-1993		X
Y19	JP	A-5-134147				05-28-1993		X

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Sheet

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of

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Complete if Known

Application Number	10/766,488
Filing Date	January 29, 2004
First Named Inventor	Shin ISHIBASHI
Group Art Unit	2874
Examiner Name	Ullah, Akm E.

Attorney Docket Number

31238-200393

FOREIGN PATENT DOCUMENTS

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		Offic e ³	Number ⁴	Kind Code ⁵ (if known)				
Z1	JP	A-5-152607			06-18-1993			x
Z2	JP	A-5-188250			07-30-1993			x
Z3	JP	A-5-211379			08-20-1993			x
Z4	JP	A-5-218581			08-27-1993			x
Z5	JP	A-5-290913			11-05-1993			x
Z6	JP	A-5-70955			03-23-1993			x
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Z11	JP	A-63-65967			03-24-1988			x
Z12	JP	A-63-65978			03-24-1988			x
Z13	JP	A-63-82998			04-13-1988			y
Z14	JP	U-3-20458			02-26-1991			y
Z15	JP	U-3-94869			09-27-1991			y
Z16	JP	U-4-87809			07-30-1992			y
Z17	JP	U-5-052802			07-13-1993			y
Z18	JP	U-5-70955			09-24-1993			y
Z19	JP	U-61-158046			09-30-1986			y

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/766,488
<i>(use as many sheets as necessary)</i>		Filing Date	January 29, 2004
		First Named Inventor	Shin ISHIBASHI
		Group Art Unit	2874
		Examiner Name	Ullah, Akm E.
Sheet	27	of	31
		Attorney Docket Number	31238-200393

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/766,488
(use as many sheets as necessary)				Filing Date	January 29, 2004
Sheet	28	of	31	First Named Inventor	Shin ISHIBASHI
				Group Art Unit	2874
				Examiner Name	Ullah, Akm E.
				Attorney Docket Number	31238-200393

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	BB1	AT&T Microelectronics, "1408-Type ODL Transceiver", Feb. 1994 preliminary data sheet, p. 2-10.	
	BB2	Ronald L. Soderstrom et al., "An optical Data Link using a CD laser", SPIE Vol. 1577 High Speed Fiber Networks and Channels, pp. 163-173, 1991.	
	BB3	BCP, Inc. "Gigabits Over Multimode Optical Fiber" no date.	
	BB4	Ronald L. Soderstrom et al., "CD laser optical Data Links for Workstation and Midrange Computers", IEEE p. 505-509, 1993.	
	BB5	FDDI Low-Cost Fiber Physical Layer Medium Dependent (LCF-PMD) Common Receiver Footprint, no date.	
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	BB7	IBM Technical Disclosure Bulletin "Optical Link Card Guide/Retention System", www.patents.ibm.com/tlbs/tdbs?order=93A+60964 , April 1993.	
	BB8	IBM, "A Proposal for a New High Performance..." OptoElectronics Enterprise Oct. 1992 ANSI Meeting, Oct. 13, 1992.	
	BB9	IBM et al., "GLM Family", FCSI-301-Rev. 1.0, Feb. 16, 1994.	
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(use as many sheets as necessary)		Filing Date	January 29, 2004
Sheet	29	of	31
		First Named Inventor	Shin ISHIBASHI
		Group Art Unit	2874
		Examiner Name	Ullah, Akm E.
		Attorney Docket Number	31238-200393

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	CC1	Sumitomo Electric Fiber Optics Corp. "Transceiver Manufacturers to Support Common Footprint for Desktop FDDI Applications," June 23, 1992.	
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	CC3	Siemens, "Who provides Low-Cost Transceivers for all Standards?" no date.	
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	CC5	AMP Inc. "Lytel Molded-Optronic SC Duplex Transceiver", Catalog 65922, Dec. 1993.	
	CC6	AMPHENOL Engineering News, vol. 7 No. 6, pp. 241, 264-65, Nov. 1994.	
	CC7	Baldwin and Kellerman, "Fiber Optic Module Interface Attachment" Research disclosure, Kenneth Mason Publication Ltd, England, Nov. 1991.	
	CC8	Block and Gaio "Optical Link Card guide/Retention Sys" RESEARCH DISCLOSURE Kenneth Mason Publications Ltd., England, Apr. 1993.	
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	CC10	Martin H. Weik, "Communication Standard Dictionary" p. 454. definition of LED, Van Nostrand Reinhold Co.	
	CC11	Edward R. Salmon, Encapsulation of Electronic Devices and Components, Marcel Deckker Inc., New York, 1987.	

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(use as many sheets as necessary)		Filing Date	January 29, 2004
Sheet 30 of 31		First Named Inventor	Shin ISHIBASHI
		Group Art Unit	2874
		Examiner Name	Ullah, Akm E.
		Attorney Docket Number	31238-200393

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	DD1	Dieter Gwinner, Conducive Coatings: Vacuum Evaporated Aluminum for Selective Shielding of Plastic Housings, no date.
	DD2	HEADSUP--Sumitomo Electric Lightwave Joins Others in Announcement, May 11, 1995
	DD3	Robert C. Herron, High Density Input/Output Connector Systems, 3M Electronic Products Division, 1990.
	DD4	Shortwave Opto Assembly, IBM OptoElectronic Enterprises; IBM/OEE Market Survey Only, Rev. 1, Jan. 6, 1993.
	DD5	"Minimizing Electrostatic Discharge Damage to a Cartridge", IBM Technical Disclosure Bulletin, vol. 29 No. 10, Mar., 1987.
	DD6	Japanese Standards Association" F04 Type Connectors for Optical Fiber Cords JIS C 5973" Japanese Standards Association, 1990.
	DD7	Ronald L. Soderstrom et al., A Miniaturized Fiber Optic Laser Receptacle Using a Compact Disk (CD) FOC/LAN '87 & MFOC- WEST, pp. 383-385, no date.
	DD8	"Transceiver Module Assembly", IBM Technical Disclosure Bulletin, Oct. 1979, https://www.delphion.com/tbds/tdb?o=79A+06370 , last visited Mar. 3, 2005.
	DD9	Ronald L. Soderstrom et al., Optical Components and Electronic Packaging for High Performance Optical Data Links, THE RESEARCH INVESTMENT, p. 19-28 (no date).
	DD10	Thomas & Betts, INFO-LAN Modem, 1998.
	DD11	"Active component manufacturers lower the cost of fiber to the desktop", Lightwave, Feb. 1994 pp. 58, 67.

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	EE1	Fibre Distributed Data Interface (FDDI) - Token Ring Low-Cost Fibre Physical Layer Medium Dependent (LCF-PMD), American National Standards Institute, 1996.
	EE2	Communications Standard Dictionary; p. 454, definition of inhomogeneous fiber, Van Nostrand Reinhold Publishing, 1983.
	EE3	"Transmitter/receiver assembly simplifies use of fibre optics", Design Engineering, p. 19, Button Press, Ltd., April 1980.
	EE4	Ronald L. Soderstrom et al., "CD laser as a fiber optic source for computer data links", Fiber Optic Datacom and Computer Networks, SPIE-The International Society for Optical Engineering Proceedings, Vol. 1577, pp. 174-181, 1988.
	EE5	David A. Knodel et al., "Open Fibre Control, a laser safety interlock technique", High-Speed Fiber Networks and Channels, SPIE-The International Society for Optical Engineering Proceedings, Vol. 991, pp. 179-182, 1992.
	EE6	IBM Technical Disclosure Bulletin, "Electrostatic Dissipative Enclosed Connector", Vol. 34, No. 7B, Dec. 1991.
	EE7	"High Reliability SW Laser For Optical Data Links", LEOS '93 Conference Proceedings, IEEE Lasers and Electro-Optics Society 1993 Annual Meeting.
	EE8	Minimizing Electrostatic Discharge to a Cartridge, IBM Technical Disclosure Bulletin, March 1987, https://www.delphion.com/tbds/tdb?o=87A%2060509 , last visited Mar. 8, 2005.
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	EE10	TDB: Stackable Circuit Card Packaging within a Logic Cage, IBM Technical Disclosure Bulletin, Dec. 1992, https://www.delphion.com/tbds/tdb?o=92A%2063485 , last visited Mar. 8, 2005.
	EE11	Jeff Hecht, The Laser Guidebook, 2 nd ed., McGraw Hill, Inc., 1992.

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